



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUN 23 2011

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Article Number: 7002 2030 0006 5360 4916

Mark Lesko, Supervisor
Town of Brookhaven
One Independence Hill
Farmingville, NY 11738

Re: Town of Brookhaven
SPDES Permit No. NYR20A411

Dear Mr. Lesko:

This is in reference to the United States Environmental Protection Agency's (USEPA) Region 2, MS4 Compliance Evaluation Inspection (CEI) at the subject facility on April 12 thru April 28, 2011. This inspection report will be referenced as an addendum to EPA's MS4 Audit conducted on June 7-9, 2011. The Town of Brookhaven is in non-compliance with Part VII.A6 of the New York State Department of Environmental Conservation SPDES General Permit For Stormwater Discharges from MS4 under Pollution prevention/Good Housekeeping for Municipal Operations-SWMP Development/Implementation.

EPA inspectors have made a finding of system-wide deficiencies at the Town Highway Department facilities due to poor housekeeping/O&M issues and certain Noncompliance Items and/or Areas of Concern, (see enclosed report).

Within thirty (30) days of receipt of this letter, please respond to the USEPA in writing with the actions that the facility has taken or will take to address the potential noncompliance item and areas of concern identified in this report. Also, please send copies of your response to Joe DiMura, P.E., Director, Bureau of Water Compliance Programs, Division of Water, NYSDEC, 625 Broadway, Albany, NY 12233-3506.

Should you have any questions feel free to contact Jerry Ciotola at (212) 637-4223 or myself at (212) 637-4229.

Sincerely yours,

Mr. Larry Gaugler, P.E., Acting Team Leader
NPDES Team

Enclosure

cc: Joe DiMura, P.E., Director, Bureau of Water Compliance Programs, NYSDEC
Sara Dorman, NYSDEC Region 1, NYSDEC

Internet Address (URL) • <http://www.epa.gov>

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United States Environmental Protection Agency
Washington, D.C. 20460
Water Compliance Inspection Report

Form Approved.
OMB No. 2040-0057

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	N Y R 2 0 A 4 1 1	12 1 1 0 5 1 0 17	-	R	1
Remarks					
21					
Inspection Work Days Facility Self-Monitoring Evaluation Rating B1 QA Reserved					
67 2 71 72 73 74 75 80					

Section B: Facility Data

Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
Town of Brookhaven One Independence Hill Farmingville, New York 11738	4/12-14 /2011(10am);	N/A
	Exit Time/Date	Permit Expiration Date
	4/25-28/2011(1:30 pm)	N/A
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
Veronica King, Stormwater Manager Tel. (631) 451-6002 Environmental Protection Department, 1 Independence Hill, Farmingville NY 11738		
Name, Address of Responsible Official/Title/Phone and Fax Number(s)		
Jeff Kassner, Dir., Environmental Protection Environmental Protection Department, 1 Independence Hill, Farmingville NY 11738 (631) 451-6455		
Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> CSO/SSO (Sewer Overflow)
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Multimedia
<input checked="" type="checkbox"/> Effluent/Receiving Water	<input type="checkbox"/> Laboratory	<input checked="" type="checkbox"/> Storm Water MS4	<input checked="" type="checkbox"/> Other: STP's

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

See Attached Report.

Also present on site:

Robert Ferri, Environmental Protection Agency, R2-WCB (212) 637-4227
Amy Lavoie, Environmental Protection Agency, R2-WCB (212) 637-4245

Eileen Keenan, NYSDEC Region 1 Stony Brook 631-444-0422
Sara Dorman, NYSDEC Region 1, Stony Brook 631-444-0425

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
 Jerry Ciotola, Env. Eng.	EPA/DECA-WCB (212) 637-4223/FAX:x4211	6/ 8 /11
Signature of Management Q/A Reviewer	Agency/Office/Phone and Fax Numbers	Date
 Larry Gaugler, P.E., Acting NPDES Team Leader	EPA/DECA-WCB/(212) 637-4229/FAX:x4211	6 / 9 /11

MS4 Inspection Report/Town of Brookhaven (NYR20A411) – April 12-14, and 25-28, 2011

Background

The Town of Brookhaven (the “Town”) owns a municipal separate storm sewer system. The Town jurisdiction includes approximately 153 miles of shoreline bounded by the Long Island Sound to the Great South Bay. The principal surface waters within the Town are the Swan, Carman’s, and Forge Rivers. The Town’s stormwater conveyance system consists of storm water outfalls, catch basins, town owned recharge basins, leaching pools, dry wells, man-made wet ponds, and interconnecting pipes maintained by the Town Highway Department. The Town includes approximately 350 stormwater outfalls, approximately 1500 catch and recharge basins. The Town is located in Suffolk County, New York and covers an area of approximately 532 square miles. The 2009 Census indicated a population of almost half a million. The Highway Dept. oversees the recharge basins, drainage installations, catch basins, dry wells, and cleans and maintains the MS4 system.

The Town of Brookhaven includes pathogen impaired water bodies that are within watershed improvement strategy areas. These water bodies include the Forge River, and a portion of the Peconic estuary. These surface waters are impaired, with the New York State Department of Environmental Conservation identified them as having water quality related problems on their 303(d) List (Individual Waterbodies with Impaired Segments) due to pathogens and nitrogen from urban runoff.

The Town has nine (9) incorporated and fifty (50) unincorporated hamlets. Land use in the Town consists of rural agricultural (farmland), livestock farms, central pine barrens, and residential subdivisions. The Town’s Storm Water Management plan, prepared by the Town of Brookhaven’s Division of Environmental Protection, was updated December 2010, with addendums. According to the most recent Municipal Compliance Certification Filing to NYSDEC, ending March 9, 2010, the Town has mapped a total of (349) storm water outfall, 50% of the stormwater infrastructure within the Forge River subwatershed, and 1,157 structures on the North Shore to the Long Island Sound.

Introduction

On April 12, 2011, a briefing meeting was held with Town officials that included Jeff Kassner, Director, Town of Brookhaven Department of Environmental Protection, Veronica King, Stormwater Manager, and officials from the Town of Brookhaven Highway Department, Engineering Department, Planning, IT, and Waste Management, to discuss the Town’s Storm-Water Management Plan (SWMP) and MS4 inspection. During the meeting, NYSDEC was represented by Eileen Keenan, and Sara Dorman, DEC Region 1. Veronica King gave a comprehensive overview of the Town’s stormwater infrastructure, GIS-based location mapping, and work undertaken as part of the watershed improvement strategy requirements for Brookhaven for pathogens and nitrogen. Also discussed was the Dry Weather Flow Monitoring of Stormwater Outfalls for the Town of Brookhaven, Final Report (7-7-09), Mt. Sinai Harbor Management Plan and Harbor Stormwater Improvement Projects, Outfall Inventory, Site Inspection Report by Tighe & Bond (4-13-2011), Swan River Watershed Management Plan (3/2007), Carmans River Protection Working Group, IDDE Program, Dry Weather outfall reconnaissance, Dry Weather Flow Monitoring, Water Quality sampling, and Coliform DNA Source Tracking of Stormwater Outfalls for the Town of Brookhaven.

The purpose of EPA’s multi-programmatic (NPDES and UIC) MS4 inspection was to identify potential sources of pathogens and illicit discharges that might impact water quality in the area (Long

Island Sound and the Great South Bay, and its tributaries and rivers). The EPA Region 2 inspection team consisted of Jerry Ciotola, Robert Ferri, and Amy Lavoie. NYS DEC representatives Eileen Keenan and Sara Dorman were also present. Kimberly McEarthon of EPA Region 2 was present during the opening day entrance conference only. The initial meeting was held at Town of Brookhaven offices at One Independence Hill, on April 12, 2011 with the field inspection work (2 teams) conducted from April 12 thru the 14th, and 25th thru the 28th. The inspection evaluated the entire MS4, the fourteen (14) Highway Dept. Stockyards & Building facilities, the Brookhaven transfer station and a random sampling of catch basins. Of the approximately 1,250 recharge basins, approximately 100 were evaluated due to time constraints.

Location: Town of Brookhaven, Suffolk County, NY

Outlet Locations: Long Island Sound (north shore)

Great South Bay (south shore)

Weather Conditions: for the week of April 12-14 was raining, wet and damp

for the week of April 25-28 was sunny and dry

Town of Brookhaven, NY

On the afternoon of April 12th, 2011, two teams were deployed (Robert Ferri, and Sara Dorman, north shore team) and Great South Bay (Jerry Ciotola, Amy Lavoie, south shore team), to visually survey every Town of Brookhaven outfall that discharged to a recharge basin, surface water, leaching field, wet pond or to Long Island Sound. We also inspected the Highway Department facilities on April 12th and 13th, and the Town transfer station.

The majority of Town drainage is to recharge basins. It is a separate storm water system. The Town's MS4 flows are conveyed by gravity. Town sanitary flows are principally handled by onsite systems (septic tanks and cesspools).

Brookhaven's Watershed Improvement Strategies, in various stages of development, are being implemented. The IDDE program is well established, and mapping of infrastructure is approximately 50% developed. As a recommendation, all outfalls to recharge basins, whether engineered or natural, should be mapped. Boat ramps designated as Outfalls to surface waters should be eliminated. As in other Suffolk County towns, there are significant nitrogen "hotspots" within the sub-watersheds. Duck farms and other livestock operations are a major contributor of the bulk of the pathogen, silt and sediment loads. Livestock and septic systems are potentially the principal contributor of pathogens, along with domestic animals and Canadian geese.

Recommendations (Areas of Concern)

The Town should inspect recharge basins regularly to ensure that they are infiltrating. The Town should enable access to all recharge basins. It might be worthwhile to conduct groundwater sampling in the area(s) of recharge, possibly conducting vadose zone monitoring at recharge sites in areas where the water table is shallow. The town should conduct site-specific, hydrogeologic testing to determine the range of infiltration rates and getaway capacities at major leaching pools and recharge basins.

The Town should coordinate with the county soil and water conservation district to ensure that there are adequate stormwater controls on local farms to minimize silt/sediment runoff, address soil and nutrient management, and invoke practices to keep fertilizer levels to a minimum level necessary to sustain crops.

The Town should ensure that any exposed soil (dirt pilings) within the garage stockpile areas are stabilized by either cover or berming to prevent exposed soils from eroding offsite, especially in salt pile storage and mixing areas. Dry wells in the vicinity of salt pile storage area should be eliminated.

The Town should coordinate and implement measures to strengthen investigations of on-site systems (cesspools, septic systems, etc) with the Suffolk County Health Department, in locations which could pose human health risks, or contaminate surface and/or groundwater. The Town should work more effectively with Suffolk County in developing a system to identify those areas within their jurisdiction where there could be a high likelihood of onsite system failure. A potential investigation could involve areas where soils prevent infiltration, high groundwater, or the failure rate for on-site sanitary systems is generally at greater risk. An inspection program should be initiated.

Highway Department Stockyards and Buildings

On April 12, 13 and 25, 2011, EPA and DEC representatives inspected the Highway Department facilities of the Town of Brookhaven, and observed the following:

- a. vehicle washing in designated areas resulted in contaminants, including oil and grease, flowing to drywells and recharge basins
- b. oil and grease sheens were observed throughout the yards, resulting in contaminants flowing to dry wells and recharge basins
- c. contaminants and sheens from vehicle maintenance and refueling in some facilities were observed flowing to dry wells and recharge basins
- d. erosion of sand and salt was observed beyond the general mixing area resulting in offsite tracking
- e. salt structural buildings in some of the yards were inadequate due to roof exposure
- f. sediment from soil and road repair stockpiles were observed discharging to drywells and recharge basins
- g. corroded salvage, debris and spent vehicle batteries were observed at some yards.
- h. at Yard #3 (Miller Place), a conspicuous area of pooled brine and anti-caking agent was observed in the facility and wet pond. Yellow Prussiate of Soda (YPS) also called sodium ferrocyanide was observed adjacent to and discharging to a drywell. Ferrocyanides in widely spread salt applications generally contain levels that are too small to be dangerous, but when concentrated in water and exposed to direct sunlight they can produce hazardous cyanide fumes.

Non-Compliance with 40CFR122.34(b)(6) at Town Garages and Stockyards

(6) Pollution prevention/good housekeeping for municipal operations.

(i) You must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, your State, Tribe, or other organizations, your program must include employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

(ii) Guidance: EPA recommends that, at a minimum, you consider the following in developing your program: maintenance activities, maintenance schedules, and long-term inspection procedures for structural and non-structural stormwater controls to reduce floatables and other pollutants discharged

from your separate storm sewers; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations and snow disposal areas operated by you, and waste transfer stations; procedures for properly disposing of waste removed from the separate storm sewers and areas listed above (such as dredge spoil, accumulated sediments, floatables, and other debris); and ways to ensure that new flood management projects assess the impacts on water quality and examine existing projects for incorporating additional water quality protection devices or practices. Operation and maintenance should be an integral component of all stormwater management programs. This measure is intended to improve the efficiency of these programs and require new programs where necessary. Properly developed and implemented operation and maintenance programs reduce the risk of water quality problems.

Transfer Station

EPA inspected the Brookhaven transfer station on 4/13/11 at 2:30pm. The facility is operated by a contractor for Town, and receives 500-1000 tons/day, approx. 200,000 tons/year. The solid wastes are compacted, loaded, and trucked out of state. The leachate is pumped to tanks and trucked to a separate disposal facility onsite. The transfer station's recharge basin for stormwater runoff contained excessive floatables, sheens, and excessive turbidity. It is recommended that screening for floatable and solids be employed.

O&M of Town's Recharge Basins

The Town should adapt guidelines similar to the NYSDOT on Design, Construction, and Maintenance of Recharge Basins (April 2007) within the jurisdictional watersheds. Specifically, an O&M preventive maintenance program similar to guidance outlined in DOT's Chapter 4 Maintenance Guidelines should be implemented.

PHOTOGRAPH LOG (Panasonic Lumix L8Z)

Town of Brookhaven, NY (Unedited photos taken by Jerry Ciotola, Environmental Engineer, USEPA Region 2, Water Compliance Branch, April 12-14, 25-28, 2011)	
Photograph No.	Photograph Description
001	Inadequate salt storage shed/erosion tracks
002	Vehicle washdown outside maintenance shop
003	Unprotected stock piles/salt eroding from shed
004	Liquid from vehicle wash down into drain
005	Oil & grease sheen from vehicle wash down to drain
006	Oil & grease sheen from vehicle wash down to drain
007	Sand and cold patch stockpiles
008	Inadequate salt storage shed/erosion tracks
009	Vehicle washdown outside maintenance shop
010	Spent drums unlabeled and stored in yard (some corroded)
011	Spent drums unlabeled and stored in yard (some corroded)
012	Oil sheens/tracking throughout garage facility
013	Oil and grease tracking offsite
014	Vehicle washdown area/oil & grease stains evident from mixers entering drain
015	Septic condition in dry well
016	Lubricants stored outside maintenance shop
017	Truck batteries stored outside maintenance shop
018	Unmarked decaying drums outside maintenance shop
019	Unmarked decaying drums outside maintenance shop
020	Truck batteries and unmarked drums stored outside maintenance shop
021	Unprotected stock piles/ salt eroding from shed
022	Salvage storage
023	Sodium ferrocyanide discharging to adjacent drywell.
024	Unbermed cold patch (asphalt) eroding into drains
025	Unprotected stockpiles/erosion
026	Unprotected stockpiles/erosion
027	Unprotected stockpiles/erosion
028	Unprotected stockpiles with mixed debris and garbage
029	Unprotected stockpiles with spent asphalt
030	Spent gasoline jugs, cans & solvents unmarked
031	Unprotected stockpiles/erosion offsite
032	Unprotected asphalt stockpile
033	Storm water carrying solids and sediment directed to a pocket wetland
034	Oil sheens to drain
035	Oil sheens to drain
036	Single-walled #2 fuel oil tank, no secondary containment
037	Infiltration basin fill with debris, oil and grease and high turbidity
038	Infiltration basin fill with debris, oil and grease and high turbidity
039	Infiltration basin fill with debris, oil and grease and high turbidity
040	Salvage and abandoned oil tank
041	Equipment and materials storage and salvage

Town of Brookhaven, NY (Unedited photos taken by Jerry Ciotola, Environmental Engineer, USEPA Region 2, Water Compliance Branch, April 12-14, 25-28, 2011)	
Photograph No.	Photograph Description
042	Sediment and grease in drains
043	Unbermed materials stockpiles
044	Unprotected stockpiles/erosion offsite
045	Unprotected stockpile/cold patch
046	Off site sediment tracking
047	Unprotected stockpiles/erosion offsite
048	Unprotected stockpiles/erosion offsite
049	Unprotected stockpile/cold patch
050	Abandoned unmarked drums stored in yard
051	Random storage of paints and solvents/some leaking
052	Open ditches of sediment, oil & grease, solids, and sludge
053	Open ditches of sediment, oil & grease, solids, and sludge
054	Open ditches of sediment, oil & grease, solids, and sludge
055	Unprotected stock piles/ salt eroding from shed
056	Unprotected stock piles/garbage and debris
057	Unprotected stockpile/cold patch (asphalt)
058	Ditched area with sediment and solids accumulation
059	Vehicle washdown area in location of 2 drywells
060	Open ditches of solids, sediment, oil & grease, and washdown sludge
061	Open ditches of solids, sediment, oil & grease, and washdown sludge
062	Open ditches of solids, sediment, oil & grease, and washdown sludge
063	Open ditches of solids, sediment, oil & grease, and washdown sludge
064	Open ditches of solids, sediment, oil & grease, and washdown sludge
065	Unlabeled drums (54)
066	Silt and sediment eroding to offsite catch basins
067	Unprotected stock piles/ salt eroding from shed
068	Unprotected stockpile/cold patch (asphalt)
069	Spent lubricant drum/unprotected stock piles
070	Silt/sediment washout of ditched area
071	Silt/sediment washout of ditched area
072	Silt/sediment washout of ditched area
073	Unprotected stockpile/cold patch (asphalt)
074	Unprotected stockpile/cold patch (asphalt)
075	Unprotected drains near refueling station
076	Unprotected stock piles/ salt eroding from shed



001 Old Town Road Coram



002 Old Town Road Coram



003 Old Town Road Coram



004 Old Town Road Coram



005 Old Town Road, Coram



006 Old Town Road, Coram



007 Old Town Road Coram



008 Old Town Road Coram



009 Old Town Road Coram



010 Old Town Road Coram



011 Old Town Road Coram



012 Old Town Road Setauket



013 Old Town Road Setauket



014 Old Town Road Setauket



015 Old Town Road Setauket



016 Old Town Road Setauket



017 Old Town Road Setauket



018 Old Town Road Setauket



019 Old Town Road Setauket



020 Miller Place Yaphank



021 Miller Place Yaphank



022 Miller Place Yaphank



023 Miller Place Yaphank



024 Buckley Road, Holtsville



025 Buckley Road, Holtsville



026 Buckley Road, Holtsville



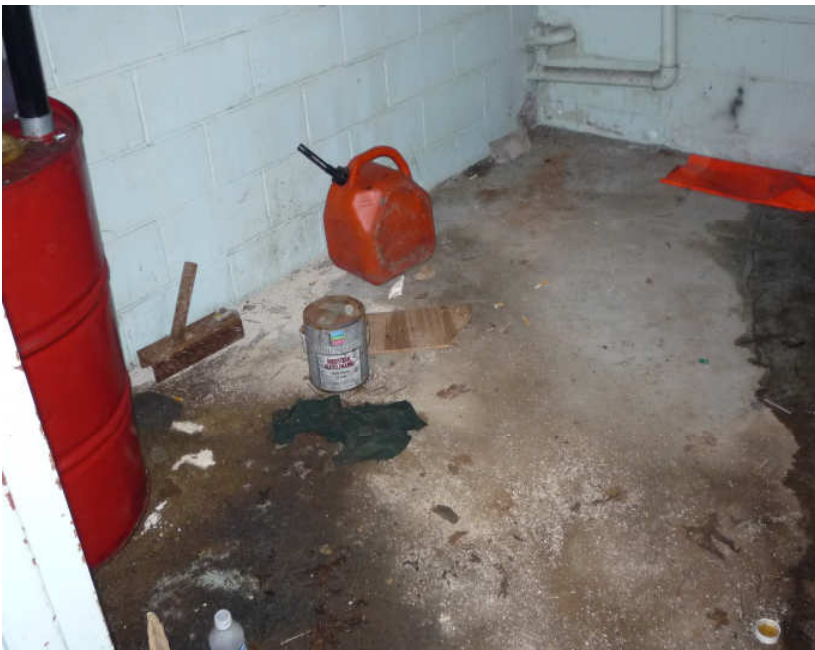
027 Buckley Road, Holtsville



028 Buckley Road, Holtsville



029 Buckley Road, Holtsville



030 Buckley Road, Holtsville



031 Buckley Road, Holtsville



032 Barton Avenue Patchogue



033 Barton Avenue Patchogue



034 Mastic Beach Rd, Mastic Beach



035 Mastic Beach Rd, Mastic Beach



036 Ecology Center Holtsville



037 Brookhaven Transfer Station



038 Brookhaven Transfer Station



039 Brookhaven Transfer Station



040 Mastic Beach Road, Mastic Beach



041 Mastic Beach Rd, Mastic Beach



042 Mastic Beach Rd, Mastic Beach



043 Mastic Beach Rd, Mastic Beach



044 Moriches Middle Island Road, Manorville



045 Moriches Middle Island Road, Manorville



046 Moriches Middle Island Road, Manorville



047 Chet Swezey Road Center Moriches



048 Chet Swezey Road Center Moriches



049 Chet Swezey Road Center Moriches



050 Chet Swezey Road Center Moriches



051 Chet Swezey Road Center Moriches



052 Horseblock Rd Yaphank



053 Horseblock Rd Yaphank



054 Horseblock Rd Yaphank



055 Horseblock Rd Yaphank



056 Horseblock Rd Yaphank



057 Horseblock Rd Yaphank



058 Horseblock Rd Yaphank



059 Horseblock Rd Yaphank



060 Horseblock Rd Yaphank



061 Horseblock Rd Yaphank



062 Horseblock Rd Yaphank



063 Horseblock Rd Yaphank



064 Horseblock Rd Yaphank



065 Horseblock Rd Yaphank



066 Ridge Road Ridge



067 Ridge Road Ridge



068 Ridge Road Ridge



069 Ridge Road Ridge



070 Merritts Path Rocky Point



071 Merritts Path Rocky Point



072 Merritts Path Rocky Point



073 Merritts Path Rocky Point



074 Merritts Path Rocky Point



075 Horseblock Rd South Setauket



076 Horseblock Rd South Setauket

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/14/11 10:15 am	15" Corrugated Metal Outfall	Lagoon Ct.	Namkee Creek	Submerged/OK
4/14/11 10:15 am	Outfall	110 Boylan Ln.	Namkee Creek	Submerged/Not Visible
4/14/11 10:30 am	8" PVC Outfall	Tabat Marina near Sayville Yacht Club	Namkee Creek	Dry
4/14/11 10:45 am	24" Cast Iron Outfall	Blue Point Ave. @ Grandview Dr.	Patchogue Bay	Partially Submerged
4/14/11 10:50 am	15" Corrugated Metal Outfall	Blue Point Ave. @ Grandview Dr.	Patchogue Bay	Flowing
4/14/11 10:51 am	24" Corrugated Metal Outfall	44.403°N 73.01876°W	Patchogue Bay	Flowing/Partially Submerged
4/14/11 11:00 am	12" PVC Outfall	Grandview Dr @ Clearview Dr.	Patchogue Bay	Not Flowing
4/14/11 11:10 am	15" Corrugated Metal Outfall	Barge @ Grandview Dr.	Patchogue Bay	Not Observed
4/14/11 11:12 am	Outfall	20 Barry Ln.	Patchogue Bay	Not Observed

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/14/11 11:30 am	24" Metal Outfall	37 Bayview Ave.	Patchogue Bay	Partially Submerged
4/14/11 11:40 am	36" Corrugated Outfall	Madison St.	Corey Creek	Flowing/Partially Submerged
4/14/11 11:45 am	36" Corrugated Plastic Outfall	Off Corey Park North	Corey Creek	Partially Submerged
4/14/11 11:55 am	Outfall	35 Davis Ave.	Corey Creek	Not Observed
4/14/11 12:00 pm	4" Metal, Collapsed Outfall	36 Davis Ave.	Corey Creek	Not Observed
4/14/11 12:05 pm	12" Steel Outfall	Corey Park East	Corey Creek	Not Observed
4/14/11 12:15 pm	27" Concrete Outfall	J's Marina on the Bay	Corey Creek	Submerged
4/14/11 12:15 pm	2" PVC Outfall	J's Marina on the Bay	Corey Creek	Partially Submerged
4/14/11 12:20 pm	14" Steel Outfall	Dead End Outside J's Marina	Corey Creek	Submerged

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/14/11 12:30 pm	14" Metal Outfall	The Harbour at Blue Point	Tuttle Creek	Not Observed
4/14/11 12:35 pm	18" Corrugated Metal Outfall	8 Norwood Dr.	Tuttle Creek	Partially Submerged/Dry
4/14/11 1:30 pm	18" Corrugated Metal Outfall	Jennings Ave.	Patchogue Lake	Dry
4/14/11 1:45 pm	18" Concrete Outfall	260 Carmans	Swan River	Flowing
4/14/11 1:50 pm	36" Cement	Swezey St.	Swan River	No Flow/Dry
4/14/11 2:00 pm	24" Cement	North of Bridge	Swan River	No Flow/Dry
4/14/11 2:08 pm	36" Asphalt Box Culvert	S. Country Rd.	Mud Creek	Flowing From Robinson's Pond
4/14/11 2:15 pm	36" Concrete Weir	S. Country Rd.	Mud Creek	Flowing From Freshwater Pond
4/25/11 1:10 pm	Catch Basin/ 3" PVC Outfall	Harborside Marina	Mud Creek	Light Flow, Parking Lot Drainage

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/25/11 1:15 pm	4" PVC Outfall	Harborside Marina	Mud Creek	Not Observed
4/25/11 1:15 pm	4" PVC Outfall/ Catch Basin	Harborside Marina	Mud Creek	Dry, Parking Lot Drainage Only
4/25/11 1:30 pm	24" Concrete Outfall/ Catch Basin	44 Roosevelt St.	Abbotts Creek	Light Flow, Large Turtle Observed
4/25/11 1:42 pm	12" PVC Outfall	22 Jackwill Rd.	Abbotts Creek	Light Flow
4/25/11 1:42 pm	36" Corrugated Metal/ 2 Catch Basins	Jackville Rd. @ Wall St.	Abbotts Creek	Heavy Flow, Clear
4/25/11 1:52 pm	4" PVC Outfall	Patchogue Shores Marina	Abbotts Creek	Light Flow, Parking Lot Drainage Only
4/25/11 2:10 pm	36" Cast Iron/ 12" Cast Iron Outfall	28 Ocean Ave.	Abbotts Creek	Light Flow from Larger Pipe, Smaller Pipe Dry
4/25/11 2:15 pm	36" Corrugated Metal Outfall	Across From Patchogue Shores Marina	Abbotts Creek	Dry, Town Property?
4/25/11 2:31 pm	24" Concrete Outfall	6 Overlook Dr.	Beaver Dam Creek	No Flow, Partially Submerged

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/25/11 2:45 pm	20" Corrugated Metal Outfall	3 Buscher Ct.	Beaver Dam Creek	Wet/No Flow
4/25/11 2:47 pm	18" Concrete Outfall	9 Buscher Ct.	Beaver Dam Creek	No Flow/Partially Submerged
4/25/11 2:50 pm	24" Concrete Outfall	Shields Ct.	Beaver Dam Creek	Partially Submerged
4/25/11 2:52 pm	12" Corrugated Metal Outfall	4 Buscher Ct.	Beaver Dam Creek	Submerged
4/25/11 2:55 pm	12" Corrugated Metal Outfall	Bellhaven	Beaver Dam Creek	No Flow
4/25/11 3:10 pm	12" Corrugated Metal Outfall	End of Shields Ct.	Beaver Dam Creek	Dry
4/25/11 3:15 pm	14" Metal Outfall	9 Lindner Ct.	Beaver Dam Creek	Submerged
4/25/11 3:20 pm	4" PVC Outfall	Across from 9 Lindner Ct.	Beaver Dam Creek	Dry
4/25/11 3:25 pm	18" Concrete Outfall	Prairie Ln.	Beaver Dam Creek	No Access

Brookhaven MS4 Inspection**Inspectors: Jerry Ciotola, Amy Lavoie****Weather conditions for the previous day & today Dry, Overcast (Rain Within Past 24 Hours)**

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/25/11 4:00 pm	18" Metal Outfall	End of Abby Ln.	Shirley Canals	Disjointed, Sloughing, No Flow
4/25/11 4:02 pm	4" Metal Outfall	16 Abby Ln.	Shirley Canals	No Access
4/25/11 4:15 pm	Outfall	45 Lyndale Ct.	Oncachaug River	Bulkheaded In
4/25/11 4:20 pm	Outfall	47 Lyndale Ct.	Oncachaug River	Not Observed
4/25/11 4:25 pm	Outfall	16 Fairlawn Ct.	Oncachaug River	Not Observed
4/25/11 4:30 pm	4" Outfalls (2)	12 Fairlawn Ct.	Oncachaug River	Not Observed
4/25/11 4:35 pm	6" PVC	36 Heathcote Ct.	Oncachaug River	Dry
4/26/11 10:30 am	Outfall	464 Riviera	Pattersquash Creek	Not Observed, Silted In?
4/26/11 10: 35 am	24" Corrugated Metal Outfall	West Dr. @ Aspen Rd.	Pattersquash Creek	Light Flow From Road Drainage

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Cloudy, Dry

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/26/11 10:40 am	18" Corrugated Metal/ 18" Concrete Outfalls	West Dr. @ Mastic Rd.	Pattersquash Creek	Road Drainage
4/26/11 10:50 am	18" Corrugated Metal Outfall/ 5 Catch Basins	85 Overlook Dr.	Poospatuck Creek	Dry
4/26/11 11:00 am	20" Concrete Outfall	Montauk Highway Near Barnes Rd.	Forge River	Heavy Flow, State Controlled?
4/26/11 11:15 am	6" Metal Outfall	End of Lily Ct.	Old Neck Creek	Not Observed, Silted In
4/26/11 11:30 am	24" Corrugated Plastic Outfall	39 Crystal Beach Blvd.	Old Neck Creek	Dry, Road Drainage
4/26/11 11:40 am	18" Corrugated Plastic Outfall	75 Crystal Beach Blvd.	Old Neck Creek	Dry, Road Drainage
4/26/11 11:45 am	24" Concrete Outfall	107 Crystal Beach Blvd.	Old Neck Creek	Disjointed, Silted In
4/26/11 11:50 am	18" Concrete Outfall	150 Crystal Beach Blvd.	Old Neck Creek	Not observed
4/26/11 12:50 pm	24" Corrugated Metal Outfall	Drew Ln. @ Hewitt Blvd.	Mud Creek	Dry

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Cloudy, Dry

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/26/11 1:30 pm	15" Cast Iron Outfall	Crosby St. Park near Tebbens Steel	Senix Creek	No Flow
4/26/11 1:45 pm	24" Concrete Outfall	Canal St. near Tebbens Steel	Senix Creek	No Flow/Sediment Box
4/26/11 1:55 pm	24" Corrugated Metal Outfall	17 Estate Rd.	Senix Creek	No Flow
4/26/11 2:00 pm	18" Metal Outfall	14 Convent Ln.	Senix Creek	Dry
4/26/11 2:10 pm	18" Corrugated Metal Outfalls (2)	Sedgemere Dr.	Asherconk Creek	Dry
4/26/11 2:22 pm	5" Metal Outfall	15 Elizabeth Pl.	Orchard Neck Creek	Not Observed
4/26/11 2:30 pm	18" Concrete Outfalls (2)	22 Red Bridge Rd.	Orchard Neck Creek	County
4/26/11 2:35 pm	6" PVC Outfall	Orchard Neck Rd.	Orchard Neck Creek	Not observed
4/26/11 2:40 pm	12" Corrugated Plastic Outfall	16 Shirley Rd.	Trib. of Orchard Neck	In Wetland, Catch Basin Septic?

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date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/26/11 2:45 pm	6" PVC Outfall	30 Orchard Neck Rd.	Orchard Neck Creek	Not observed
4/26/11 3:20 pm	Outfall	Atlantic Ave. across from Water's Edge Restaurant	Moriches Bay (Tuttles Cove)	Not observed
4/26/11 3:30 pm	25" Corrugated Metal Outfall	Atlantic Ave.	Moriches Bay (Harts Cove)	Partially submerged
4/27/11 10:20 am	Recharge Basin	Lake Shore Rd. @ Lake Terrace Rd.	Ground	1 Box Culvert/Wet/ 1 48" Metal Culvert with Solids Separator
4/27/11 10:25 am	Recharge Basin	Between 26 and 28 Norwood Ln.	Ground	Dry/Picks up road drainage Approx. 1 acre
4/27/11 10:30 am	Recharge Basin	Ava Ln.	Ground	Dry/Excessive floatables
4/27/11 10:35 am	Recharge Basin	30 Duane Dr.	Ground	Dry/Floatables
4/27/11 10:50 am	Recharge Basin	15 Richard Pl.	Ground	Dry/60" concrete outfall
4/27/11 11:05 am	Recharge Basin	3 Tarkington Rd.	Ground	No access/Evidence of dumping

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Cloudy, Dry

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/27/11 11:15 am	Recharge Basin	Holbrook St. @ Hullberry Ln.	Ground	No access/Town basin behind state-owned basin
4/27/11 11:23 am	Recharge Basin	Opposite 2 Susan Ct.	Ground	Dry/2 concrete culverts serving LIRR and residential community/ Some floatables
4/27/11 11:27 am	Recharge Basin	Opposite 3 Abermarle Ct.	Ground	No access/Dry
4/27/11 11:35 am	Recharge Basin	19 Broadway Ave.	Ground	Dry/60" Concrete Culvert/Evidence of dumping
4/27/11 11:50 am	Recharge Basin	Opposite 7 Drumlin Ct.	Ground	Natural Basin/Dry/Drains Rt. 83 and residential community
4/27/11 12:00 pm	Recharge Basin	8 Grouse Ct.	Ground	Natural Basin/Dry
4/27/11 12:05 pm	Recharge Basin	12 th St.	Ground	Floatables/2 concrete culverts/Dry Evidence of Contractor Dumping
4/27/11 12:12 pm	Recharge Basin	1 Woodbrook Cir.	Ground	Dry/No access
4/27/11 12:20 pm	Recharge Basin	17 Sandie Ct.	Ground	Wet/No access

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Cloudy, Dry

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/27/11 12:25 pm	Outfall	57 West Shore Dr.	Cannon Lake	15" Corrugated Metal Outfall/Partially Submerged/ No flow
4/27/11 12:45 pm	Recharge Basin	End of Meadow Wood Dr.	Ground	Dry/No access
4/27/11 1:00 pm	Recharge Basin	8 Corky Ct.	Ground	Dry/No access 1 Concrete Culvert
4/27/11 2:00 pm	Outfall	34 Wilson St.	Corey Creek	Wet/No access
4/27/11 2:15 pm	12" Concrete Outfall	64 Wilson St.	Corey Creek	Dry 2 Catch Basin, 1 Drop Box (oil & grease)
4/27/11 2:30 pm	Outfall	Swan View Dr. @ Swan Ct.	Swan River	Dry/Not observed
4/27/11 2:45 pm	Corrugated Metal Outfall	Swan View Ct. @ Swan View Dr.	Swan River	Dry/Not observed
4/27/11 3:00 pm	Recharge Basin	23 Patricia Ln.	Ground	Dry/Silt-laden
4/27/11 3:10 pm	Ditch/Sluice	24 Patricia Ln.	Swan River	Dry

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Rain Overnight

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/27/11 3:30 pm	Recharge Basin	First Ave. @ Tremont Ave.	Ground	Dry/No access
4/27/11 3:32 pm	Recharge Basin/ 36" Culvert	62 First Ave.	Ground/ Swan River	Dry/2 culverts to Swan
4/27/11 3:50 pm	Corrugated Metal Outfall	Sipp Rd.	Mud Creek	Wet/No flow
4/28/11 10:20 am	Catch Basin	205 Belle Meade Rd.	MS4	Wet
4/28/11 10:22 am	Catch Basin	Belle Meade Rd. @ Research Way	MS4	Dry
4/28/11 10:24 am	Catch Basin	23 Technology Dr.	MS4	Dry
4/28/11 10:25 am	Catch Basin	31 Research Way	MS4	Wet
4/28/11 10:27 am	Catch Basin	Research Way @ Technology Dr.	MS4	Dry
4/28/11 10:30 am	Catch Basin	14 Technology Dr.	MS4	Dry

Brookhaven MS4 Inspection**Inspectors: Jerry Ciotola, Amy Lavoie**

Weather conditions for the previous day & today Dry, Rain Overnight

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/28/11 11:00 am	Catch Basin	Main St. @ Eagle Rd.	MS4	Wet
4/28/11 11:05 am	Catch Basins (2)	Main St. @ Veterans Way	MS4	1 Wet/1Dry
4/28/11 11:07 am	Catch Basin	Veterans Way @ Main St.	MS4	Dry
4/28/11 11:11 am	Catch Basin	Broadway @ Main St.	MS4	Dry
4/28/11 11:12 am	Catch Basin	10 Broadway	MS4	Wet/Silty
4/28/11 11:14 am	Catch Basin	Broadway @ Prince Rd.	MS4	Wet/Full
4/28/11 11:17 am	Catch Basin	King Rd. @ Broadway	MS4	Wet/Leaf litter
4/28/11 11:20 am	Catch Basin	Opposite 91 King Rd.	MS4	Wet/Full
4/28/11 11:22 am	Catch Basin	Opposite 93 King Rd.	MS4	Dry

Brookhaven MS4 InspectionInspectors: Jerry Ciotola, Amy LavoieWeather conditions for the previous day & today Dry, Rain Overnight

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/28/11 11:26 am	Catch Basin	King Rd. @ Lavender Rd.	MS4	Wet/Partially full
4/28/11 11:28 am	Catch Basin	Opposite 111 King Rd.	MS4	Wet
4/28/11 11:30 am	Catch Basin	King Rd. @ Oxalis Rd.	MS4	Wet
4/28/11 11:32 am	Catch Basin	118 King Rd.	MS4	Foamy/Wet
4/28/11 11:35 am	Catch Basin	123 King Rd.	MS4	Dry
4/28/11 11:37 am	Catch Basin	Tee Pee Rd. @ King Rd.	MS4	Wet
4/28/11 11:40 am	Catch Basin	King Rd. @ Tee Pee Rd.	MS4	Wet
4/28/11 11:42 am	Catch Basin	47 Manor Park	MS4	Dry
4/28/11 11:43 am	Catch Basin	Moriches-Middle Island Ave. @ Revilo Ave.	MS4	Wet

Brookhaven MS4 Inspection**Inspectors: Jerry Ciotola, Amy Lavoie**

Weather conditions for the previous day & today Dry, Rain Overnight

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/28/11 11:44 am	Catch Basin	Revilo Ave. @ Moriches-Middle Island Rd.	MS4	Wet
4/28/11 11:47 am	Catch Basin	Colin Dr. @ Revilo Ave.	MS4	Dry
4/28/11 11:52 am	Catch Basin	126 Colin Dr.	MS4	Wet
4/28/11 11:52 am	Catch Basin	122 Colin Dr.	MS4	Wet
4/28/11 11:52 am	Dry Well	122 Colin Dr.	Ground	Partially Wet
4/28/11 11:57 am	Dry Well	131 Colin Dr.	Ground	Wet
4/28/11 12:02 pm	Dry Well	Auburn Ave. @ Colin Dr.	Ground	Partially Wet
4/28/11 12:05 pm	Dry Well	114 Colin Dr.	Ground	Wet
4/28/11 12:05 pm	Dry Well	112 Colin Dr.	Ground	Dry/Floatables

Brookhaven MS4 Inspection**Inspectors: Jerry Ciotola, Amy Lavoie**

Weather conditions for the previous day & today Dry, Rain Overnight

date, time	structure: retention pond; catch basin; outfall; other	id #, address, lat/ long	discharges to	observations; pipe size, composition, access, flow, clarity, debris
4/28/11 12:07 pm	Dry Well	108 Colin Dr.	Ground	Dry
4/28/11 12:10 pm	Dry Wells (2)	West End Ave. @ Colin Dr.	Ground	Dry
4/28/11 12:12 pm	Dry Well	Colin Dr. @ West End Ave.	Ground	Wet
4/28/11 12:14 pm	Dry Wells (2)	481 West End Ave.	Ground	Dry
4/28/11 12:17 pm	Dry Wells (2)	Rose Ct. @ Moriches-Middle Island Rd.	Ground	Dry
4/28/11 12:18 pm	Catch Basin	39 Moriches-Middle Island Rd.	MS4	Dry/Silted In
4/28/11 12:20 pm	Dry Wells (2)	41 Moriches-Middle Island Rd.	Ground	Wet/Silt
4/28/11 12:21 pm	Catch Basin	41 Moriches-Middle Island Rd.	MS4	Wet/Floatables

Town of Brookhaven MS4 Inspection Report, Robert Ferri (EPA) and Sara Dorman (NYSDEC)

Highway Department Sites

Pesticide work is not done by Public Works staff. The Town operates four refueling depots. There are 26 street sweeper trucks for the Town. Drywells at Department of Public Works facilities are being used to receive contaminated wash and storm water.

April 12, 11 Tuesday

Yard 6 – Old Town Road, Coram, General Supervisor: Robert McGuire

This is the main yard. There are no drains in the repair garage. Antifreeze is recycled by a contractor.

Metal filings go to scrap (collected in 55 gallon drums). No A/C work is done on site. There is a paint shop on site. There was a natural gas filling station (six tanks) for some maintenance vehicles and town buses. The 2,500 gallon waste oil tank was self contained. Speedy dry is used for spills. No spill kits were observed. A drum storage area (bermed) contained about a 100 drums. Another drum area contained over 100 empty, rusting, uncovered, unlabeled drums. The liquid calcium tank is no longer used. The machine shop had a ventilation system. This is the only garage with a SWPP.

Truck wash waste fluids discharge to drywells. Asphalt patch piles were unprotected and runoff discharged to drywells. Soil piles were unprotected and runoff discharged to drywells. Overflow from drywells discharge to a groundwater recharge basin.

Yard 1 - Old Town Road, Setauket, General Supervisor: Billy DeAngelo

There was sheen on the puddles in the paved area. In the center of the driveway a drain was opened and a bucket was dropped down to collect a water sample. The water sample was tested for ammonia. Test result was negative. We observed that oily water runs down the driveway into catch basins in the street off-site which then flow back to a recharge basin on-site. The outfalls going to this groundwater recharge basin are not mapped. Vacuum trucks were observed on site. Truck wash waste fluids discharge to a drywell. This drywell contained vehicle waste oils, was bubbling and had a strong noxious odor. No fueling is done on site. Other drains to drywells were better but oily.

Yard 3 - Miller Place Yaphank Road, Miller Place, General Supervisor: Mark Kelly

The garage drain discharges to a concrete box that is vacuumed out. This building is about to be decommissioned. There are 15 employees at this site using a cesspool. There are 5 employees at another building at this yard. There is a part cleaner in the shop; waste solvent is picked up by a contractor. Antifreeze is recycled with waste oil. No refueling is done at this yard. Speedy dry is used for spills. No spill kits on site. There were dozens of batteries stored outside the garage. The salt barn is scheduled to be rebuilt. Soil piles were unprotected and runoff discharged to drywells. Salt pile runoff discharges to a drywell. From the salt a yellow pond of chemical anti-caking agent was observed. Asphalt patch pile was unprotected and runoff discharged to drywells.

Note: Batteries were properly disposed of after the inspection.

April 13, 11 Wednesday (light rain today)

Yard 9 - Buckley Road, Holtsville, General Supervisor: Robert Butkos

Asphalt patch piles and soil piles were unprotected and runoff discharged to catch basins on the road. One catch basin was partially plugged with sediment.

Garbage, cement and asphalt from roads is piled up and cleaned out about every six months. This was an animal shelter that is now being torn down. The entire yard configuration will be changed and the new structure will be designed by the Parks Department and shared with them. We observed spent gas jugs and some solvents inside this building. Salt and soil piles were unprotected and runoff discharged to drywells.

Ecology Center – 249 Buckley Road, Holtsville, General Supervisor: Robert Butkos

Parks Department facility: The building is going to be torn down. No motor vehicle repair work done here but there is a fueling depot. Empty drums (painted green) are used as garbage cans.

Brookhaven Town Safety: consisted of a town Pool and public baths.

Town of Brookhaven Compost and Recycling Center: No one was on site. This was the town's old landfill. Used motor oil is collected in an above ground storage tank (AGST). There were empty propane tanks on site. Building uses number two fuel oil (500 gallon AGST). Garage is for parking vehicles only. There is a pesticide shed on site and a pallet of herbicide, gas jugs and diesel drums on site. Soil piles were unprotected and runoff discharged to a drywell.

Yard 8 - Barton Avenue, Patchogue, General Supervisor: Robert Butkos

Outfall from garage discharges to a groundwater recharge basin (wetland with reed vegetation). The recharge basin's edges were severely eroded. Salt, soil, mulch, asphalt patch piles were unprotected and runoff lead to drywells that then discharge to the groundwater recharge basin.

Yard 11 - Mastic Beach Road, Mastic Beach, General Supervisor: Buddy Pulsonetti

There were unprotected salt piles (a new salt building is being built) that discharge to drywells. These drywells overflow to a groundwater recharge basin. Truck wash areas lead to a drain that is sump pumped to the other side of a fence. Oil sheen was observed in this water discharge. We observed in the building six diesel drums to catch spills, a hazardous materials storage cabinet, cement pallets, and a hot patch machine. There are several drains (with significant sediment loading) leading to drywells on site receiving drainage and sedimentation from construction material. Some of these drywells overflow to the recharge basin.

Yard 12 - Moriches Island Road, Manorville, General Supervisor: Buddy Pulsonetti

Soil piles and asphalt patch pile runoff were unprotected and runoff discharged to drains that are out on the road. These drains are believed to discharge to drywells. On site is a diesel AGST. Two drums were observed that should be labeled.

Yard 75 - Chet Swezey Road, Center Moriches, General Supervisor: Buddy Pulsonetti

The building is mainly offices. There was paint storage in an unsafe part of the building. There was a 500 gallon fuel oil tank and a salt pile at this yard. Soil and asphalt piles were unprotected and runoff leads to a drain that discharges to a deep drywell.

Town of Brookhaven Landfill

This is a massive landfill that handles thirty five districts in Long Island (200,000 tons per year). Leachate flows to drains that lead to tanks (two giant tanks) where Earthcare trucks pump it out. Sanitary waste discharges to a leachfield on the hill. Ash trucks get cleaned on a lined pad. Wearing Engineering uses a sulfur treatment system to harvest methane from the landfill. The pond on site (for stormwater runoff) is not lined. Six outfall pipes discharge to the pond and it contains considerable amounts of trash and debris.

Yard 13 - Horseblock Road, Yaphank, General Supervisor: Robert Butkos

Salt pile runoff leads to drains that discharge to drywells. Soil and asphalt patch piles were unprotected and runoff leads to drains that discharge to drywells. On the southeast corner of the property there was a sludge stream (bermed area) with lots of debris and bottles. This site is next door to the landfill so there is lots of garbage. On the north side of the property is a truck wash area that leads to drains that discharge to drywells. Unprotected soil pile runoff also discharges to the adjacent wetland. There is sheen on the ground. Several outfalls on site discharge to a nearby man made pit (in the shape of a horseshoe). There was sheen and debris in the turbid pit water. There were fifty four unlabeled drums on site. The building is used for storage. The two catch basins outside were full of floatables.

#71 Ridge Yard - Ridge Road, Ridge, General Supervisor: Mark Kelly

Building was for storage. Two AGSTs observed. Salt pile was covered. Soil and asphalt piles had no controls. Asphalt patch and soil pile runoff lead to three drains that discharged to drywells.

Yard #4 - Merritts Path, Rocky Point, General Supervisor: Mark Kelly

The two drains in front of the gate contained sediment. There was an AGST (diesel) on site. There were drains in the yard. Asphalt/salt/soils were all stored uphill from these drains. Spills from refueling along with the runoff from the material piles discharge to drywells. There was also a groundwater recharge basin on site.

Weather: previous day: April 13, 11 (rain); today: April 14, 11 (sunny)

Yard 5 - Horseblock Road, South Setauket, General Supervisor: Billy DeAngelo, General Supervisor: Robert McGuire

Uphill of four driveway drains were covered piles of salt, asphalt and soil. No runoff controls were visible. The drains discharge to drywells. One of the drains was adjacent to a diesel refueling station.

Outfall Observations:

The Town should secure and clarify access rights to the outfalls they are responsible to maintain. We could use a list of groundwater recharge basins that are now wetlands.

- WC023	adjacent to Game Cock Cottage really an end of the road not an outfall
- 2 catch basins	West Meadow Lane bend in the road, cement was eroded
- WC021	observed a ditch, not an outfall, broken cement was dumped in this ditch, water was clear
- WC022	24" pipe from headwall, no flow, observed from a distance, water was clear
- WC017	no access, too steep to find out if it is an "end of road" or an outfall pipe
- WC018	12" corrugated metal pipe, no flow, tide was out, discharges to a wetland, water was clear
- WC019	end of road
- WC020	private boat ramp, some murky water and debris
- WC016	not observable, too much vegetation
- C015	no access, vegetation too thick, small pipe from house to the ditch
- WC014	boat ramp, water clear, at construction site
- WC013	only one number but two metal pipes in gabions, water is stagnant, slimy
- no #	driveway drain from a catch basin discharges to a creek that leads to West Meadow Creek, this should be mapped
- 4 catch basins	they were covered over in sediment, Lubber Street and Woodfield Road
- WC011	18" cement pipe under private dock, clear water, at Stony Brook Shores Beach
- WC001	rubber cover over pipe to prevent backflow, foul fish odor
- no #	Old Field Country Club, private tennis club & restaurant near the shore, the town drains on the road lead to two parking lot drains that were fairly full and discharge to the bay
WC004	10" white PVC pipe discharges to the beach of West Meadow Creek, near horse corrals, lots of goose droppings all over, County Park
WC005	10" PVC pipe for corral drainage, County Park
SC050	small PVC pipe discharges from drain in the field of the County Park

Note: In the County Park there was a big empty but unlabeled tank ~350 – 500 gallon tank rusting in field.

Inspectors: Robert Ferri (EPA), Sara Dorman (NYSDEC)

Weather: previous day: April 24, 11 (rain); today: April 25, 11 (cloudy, some drizzle)

ID#	Observations
CB02	sluiceway discharges to Conches Bay
CB06	24" concrete outfall, water was murky, sediment pile in front
CB18	24" concrete outfall, almost clogged to the top with sediment
CB17	6" PVC outfall, OK
CB10	18" concrete outfall, some algae growth
CB19	18" concrete outfall, near swans nest, observed from across stream, partially submerged

CB21	18" galvanized metal pipe outfall, flowing, some white foamy material observed, some algae around, there was a catch basin about twelve paces uphill that was clogged with sediment
CB09	two corrugated metal pipes
CB22	30" concrete outfall, partially submerged
CB 13	15" metal pipe outfall, dry, on Strong's Neck and discharges to Setauket Harbor
CB16	24" concrete pipe outfall, dry, smelled odd, discharges to Setauket Harbor, the catch basin that leads to this outfall is clogged up (near #2 Dyke Road)
CB15	24" concrete pipe outfall, some debris, at Maple and Dyke Road, discharges to Setauket Harbor
CB04	48" pipe outfall listed as 36", dry
CB05	18" metal pipe outfall, ¼ clogged with sediment and there was some sediment in the catch basin leading to it, also observed a plastic 6" pipe (private)
CB01	concrete pipe outfall, some debris
CB11	12" metal pipe outfall, clogged, discharges to Setauket Harbor, also noted that a pipe from residence discharges to a nearby catch basin (with caved in pavement) that discharges to Conches Bay
CB23	metal pipe outfall was buried in sediments, the catch basin leading to this outfall had soap suds flowing into it
CB07	outfall buried in sediment, water discolored from rust, catch basin leading to it was full, observed some algae
no #	catch basin leads out to outfall that discharges to the bay note: 79 Shore Road construction site over an acre, no controls were visible
CB14	culvert under road (Scotts Cove and Shore Road) clear, discharges to Setauket Harbor
CB08	66" pipe outfall, culvert under road, some sheen observed in water but the water is mostly clear, discharges to East Setauket Pond, the catch basins on the road belong to the state
GEN01	24" concrete pipe outfall, full of water, ¼ full of sediment and debris, discharges to Mount Sinai Harbor, the catch basin leading to this outfall is full of water leaves and sediment
NS16	36" concrete pipe outfall, seven catch basins were observed leading to this outfall that discharges to L.I. Sound, lots of sediment and debris in the pipe, water was flowing note: there was a massive construction project near NS16, no erosion controls were observed note: Miller Pond Grant Project is to put in about thirty to seventy catch basins, observed turtle and some algae in muddy pond water
NS17	two 30" corrugated metal pipe outfalls, lots of leaves and sediment in the catch basin leading to these pipes
NS32	24' black plastic corrugated outfall pipe, Scott's Beach Club

April 26, 11

NS020	36" plastic outfall pipe, clean, clear
NS021	12" metal corrugated metal outfall pipe (partially overgrown), clear

NS023	15" outfall that we could not observe, lots of leaves in the catch basin leading to it
NS022	30' corrugated metal pipe with landing pad, clean and clear
NS024	two 30" corrugated metal pipes marked as one, (partially blocked)
no #	three pipes 30", 24", 18" corrugated metal outfalls, small one is partially plugged with twigs and sediment
NS027	about 60" outfall pipe, clear
NS045	24" corrugated rusty metal outfall pipe, ¼ plugged with sediment, submerged at high tide, some debris
NS029	30" corrugated metal outfall pipe
no #	headwall with two 8" outfall pipes, outside of Longwood Public Library, partially submerged, this is the headwater of the Carmen's River
VN065	27" corrugated metal outfall pipe discharges to Setauket Creek, pipe is under road
no #	12" and 18" outfall pipes, submerged but visible, with full drop box
VN064	18" rusty metal pipe, adjacent to duck ponds, big pit with significant construction nearby, smelled bad with some debris
VT0189	this is a box culvert under road/bridge, the two catch basins leading to the culvert contained a significant amount of sediment, the discharge was to little Setauket Creek, the water was cloudy and moving with lots of pollen, some bubbles and slime on branches in the water
VT0190	not observable, it was in a wetland
VTO181	24" concrete pipe, ½ full of sediment, bad odor, lots of decaying matter, discharges to wetland then Hales Creek
VTO184	metal grate observed, tide was too high, mostly submerged, discharges to Hales Creek, observed some pollen and algae around, stagnant at the moment, five new catch basins observed in the area
VTO186	18" corrugated metal pipe, no flow, water was murky
VTO187	27" metal corrugated pipe, clean and clear, six catch basins in the area
VTO185	all clogged up, needs maintenance, heavy erosion due to pipe collapse note: Greg at #51 Pine Ridge (pipe broken off and missing) needs to be fixed (gave him EPA card)
VTO183	24" concrete pipe, dry, adjacent water is clear

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no #	black plastic outfall to recharge basin, partially plugged with sediment, some debris around, parcel #172-3-18, Lakeview near Lake Panamoca,
no #	Lake Panamoca Beach, locked gate locked, no direct discharge to lake, probable drywell discharge
no #	two catch basins, heavily silted in that probably discharge to drywells, parcel 217-1-10
no #	Rockaway Trail and Panamoca Trail, six catch basins with lots of leaves and sediment, parcel 194-3-5
* no #	18" pipe with sediment, gate was open , four catch basins around with lots of leaves and sediment, there was a manhole in woods, open and dangerous , Parcel 297-1-9.23

no #	observed manhole, but did not see any discrete outfall, two catch basins discharging to a designated wetland, parcel 127-1-4.6, the access rights are unclear, this was a yard waste dumping ground
no #	18" concrete pipe discharging to a wetland, two catch basins, one is caved in at parcel 171-2-83
no #	could not observe outfall to a flooded wetland, but could see the ditch, the area appeared eroded, parcel 351-3-4.12
no #	30" corrugated metal pipe outfall to a flooded wetland, parcel 289-2-5, two catch basins adjacent with lots of sediment and leaves
no #	18" concrete
no #	culvert under road, discharges to a flooded area marked as a wetland, there was a headwall on other side of street partially blocked with sediment, parcel 529-1-10, there was a fence so we could not get access, four catch basins in the area
no #	24" corrugated metal pipe, submerged, water was dirty and stagnant, fence was down, adjacent to Nature Conservancy, three catch basins nearby with sediment,
no #	two culverts under road in concrete, 1/3 full of sediment, water was flowing, lots of sediment outside pipes, flooded area nearby, parcel 109-6-13, four catch basins
no #	adjacent with lots of sediment, a stream flows to this area then to fenced area
no #	24" concrete pipe discharges to stream, wetland then pond, some orange discoloration observed, the catch basin leading to this outfall is caved in, parcel 111-3-1
no #	corrugated metal pipe, water is flowing, same parcel 111-3-1 as above

April 28, 11 Catch Basin Observations

- Catch basin, some sediment and debris at Belle Meade and Technology Drive at Stony Brook Technology Center (east side)
 - Catch basin, some debris at 235 North Belle Meade Road (east side)
 - Catch basin, some oils (at a major intersection) at Belle Meade North of 347 (east side)
 - Catch basin, lots of sediment with manhole at Belle Meade North of 347 (west side)
 - Catch basin, lots of sediment with manhole at 235 North Belle Meade Road, (west side)
- note: Why are hay bales on transformers?

Next stop Main Street (25A) and Condor road

- Catch basin with some sediment, at Main Street (25A) and Condor road, (south side)
- Catch basin, with some sediment, at 593 Main Street (25A) (south side)
- Two catch basins, some sediment, at 586 Main Street (25A) (south side)
- Catch basin, at 567 Main Street (25A) (south side)
- Catch basin, 560 Main Street (25A) (south side)
- Catch basin, 550 Main Street (25A) (south side)
- Catch basin with some sediment, 532 Main Street (25A) (south side)
- Catch basin with some sediment, 522 Main Street (25A) (south side)

- Catch basin with some sediment, 522 Main Street (25A) (north side)
- Catch basin with some sediment, 526B Main Street (25A), in front of Emerald City Dog Spa, (north side)
- Catch basin with some sediment, 532 Main Street (25A) (north side)
- Catch basin with some sediment, 550 Main Street (25A) (north side)
- Catch basin with significant sediment, 560 Main Street (25A) (north side)
- Catch basin with some sediment and flowers, 567 Main Street (25A) (north side)
- Catch basin with some sediment, 575B Main Street (25A) (north side)
- Catch basin with some sediment, 579 Main Street (25A) (north side)
- Catch basin with some sediment 581 Main Street (25A) (north side)
- Catch basin with some sediment, 593 Main Street (25A) (north side)
- Catch basin with some sediment, 603 Main Street (25A) (north side)
- Catch basin with some sediment, no sheen even though it is near a gas station, Main and Eagle Street (25A) (north side)
- Catch basin with some sediment and debris, Main and Broadway (25A) (north side)
- Catch basin with some sediment, Main and Broadway
- Drain to drywell, chock full of sediment and somewhat undermined at Middle Island Road
- Two drains to drywells, in groundwater, full, should be vacuum trucked at Middle Island Road
- Drain to drywell, silted in, should be vacuum trucked at Middle Island Road
- Drain to drywell, full of water at 33 Middle Island Road
- Three drains to drywells, full of water, near new development at 22 Middle Island Road
- Leaching catch basin, full of water at 5 Middle Island Road
- Leaching catch basin, no piping, sediment on sides filling it in at Middle Island Road
- Leaching catch basin, no piping, full of water and some sediment at 3 Middle Island Road
- Catch basin full of sediment at Glen Drive, Moriches and Middle Island Road
- Catch basin (on the corner) with some water and sediment, adjacent to Petroleum Bulk Storage remediation at Gas Service/Station
- Drop box drain with significant sediment, in the middle of the road
- Catch basin with some sediment at Middle Island Road
- Catch basin with water in it at 64 Middle I